

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/913,772A

Source: IFW/6

Date Processed by STIC: 3/4/05

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IFW16

RAW SEQUENCE LISTING

DATE: 03/04/2005

PATENT APPLICATION: US/09/913,772A

TIME: 08:30:18

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03042005\I913772A.raw

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3 <110> APPLICANT: RENNO Toufic
4   BONNEFOY Jean-Yves
6 <120> TITLE OF INVENTION: USE OF AN ENTEROBACTERIUM OmpA PROTEIN ASSOCIATED WITH AN
7   ANTIGEN FOR GENERATING AN ANTIVIRAL, ANTIPARASITIC OR
8   ANTITUMORAL CYTOTOXIC RESPONSE
10 <130> FILE REFERENCE: D 17921
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/913,772A
C--> 13 <141> CURRENT FILING DATE: 2001-09-24
15 <150> PRIOR APPLICATION NUMBER: FR 99 01917
16 <151> PRIOR FILING DATE: 1999-02-17
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1035
24 <212> TYPE: DNA
25 <213> ORGANISM: Klebsiella pneumoniae
27 <220> FEATURE:
28 <221> NAME/KEY: exon
29 <222> LOCATION: (1)..(1032)
31 <220> FEATURE:
32 <221> NAME/KEY: terminator
33 <222> LOCATION: (1033)..(1035)
35 <220> FEATURE:
36 <221> NAME/KEY: CDS
37 <222> LOCATION: (1)..(1035)
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41 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
42   1           5           10           15
44 tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc      96
45 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
46   20           25           30
48 tac ggt aac ggt ttc cag aac aac aac ggt ccg acc cgt aac gat cag      144
49 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
50   35           40           45
52 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt      192
53 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
54   50           55           60
56 ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc      240
57 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
58   65           70           75           80
60 gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa      288
61 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys

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62		85		90		95		
64	ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc							336
65	Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly							
66		100		105		110		
68	ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc							384
69	Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly							
70		115		120		125		
72	gtt tcc cgt agc gaa cac gac act ggc gtt tcc cca gta ttt gct ggc							432
73	Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly							
74		130		135		140		
76	ggc gta gag tgg gct gtt act cgt gac atc gct acc cgt ctg gaa tac							480
77	Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr							
78	145		150		155		160	
80	cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct							528
81	Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro							
82		165		170		175		
84	gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa							576
85	Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu							
86		180		185		190		
88	gat gct gca ccg gtt gtt gct ccg gct ccg gct ccg gct ccg gaa gtg							624
89	Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val							
90		195		200		205		
92	gct acc aag cac ttc acc ctg aag tct gac gtt ctg ttc aac ttc aac							672
93	Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn							
94		210		215		220		
96	aaa gct acc ctg aaa ccg gaa ggt cag cag gct ctg gat cag ctg tac							720
97	Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr							
98	225		230		235		240	
100	act cag ctg agc aac atg gat ccg aaa gac ggt tcc gct gtt gtt ctg							768
101	Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu							
102		245		250		255		
104	ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct							816
105	Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser							
106		260		265		270		
108	gag aaa cgt gct cag tcc gtt gtt gac tac ctg gtt gct aaa ggc atc							864
109	Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile							
110		275		280		285		
112	ccg gct ggc aaa atc tcc gct cgc ggc atg ggt gaa tcc aac ccg gtt							912
113	Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val							
114		290		295		300		
116	act ggc aac acc tgt gac aac gtg aaa gct cgc gct gcc ctg atc gat							960
117	Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp							
118	305		310		315		320	
120	tgc ctg gct ccg gat cgt cgt gta gag atc gaa gtt aaa ggc tac aaa							1008
121	Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys							
122		325		330		335		
124	gaa gtt gta act cag ccg gcg ggt taa							1035
125	Glu Val Val Thr Gln Pro Ala Gly							
126		340						

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129 <210> SEQ ID NO: 2
130 <211> LENGTH: 344
131 <212> TYPE: PRT
132 <213> ORGANISM: Klebsiella pneumoniae
134 <400> SEQUENCE: 2
135 Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp
136 1 5 10 15
138 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
139 20 25 30
141 Tyr Gly Asn Gly Phe Gln Asn Asn Asn Gly Pro Thr Arg Asn Asp Gln
142 35 40 45
144 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
145 50 55 60
147 Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
148 65 70 75 80
150 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
151 85 90 95
153 Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
154 100 105 110
156 Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
157 115 120 125
159 Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
160 130 135 140
162 Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
163 145 150 155 160
165 Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
166 165 170 175
168 Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
169 180 185 190
171 Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val
172 195 200 205
174 Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
175 210 215 220
177 Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
178 225 230 235 240
180 Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
181 245 250 255
183 Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
184 260 265 270
186 Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
187 275 280 285
189 Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
190 290 295 300
192 Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
193 305 310 315 320
195 Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
196 325 330 335
198 Glu Val Val Thr Gln Pro Ala Gly
199 340

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203 <210> SEQ ID NO: 3
204 <211> LENGTH: 10
205 <212> TYPE: PRT
206 <213> ORGANISM: Homo sapiens
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Peptide derived from the Mart-1/MelanA antigen expressed by
210 melanoma cells.
212 <400> SEQUENCE: 3
213 Glu Leu Ala Gly Ile Gly Ile Leu Thr Val
214 1 5 10
217 <210> SEQ ID NO: 4
218 <211> LENGTH: 8
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Derivative of tyrosinase-related protein 2 (TRP-2).
225 <400> SEQUENCE: 4
226 Val Tyr Asp Phe Phe Val Trp Leu
227 1 5
237 <210> SEQ ID NO: 5
238 <211> LENGTH: 9
239 <212> TYPE: PRT
240 <213> ORGANISM: Homo sapiens
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Peptide derived from the Mart-1/MelanA antigen expressed by
244 melanoma cells.
246 <400> SEQUENCE: 5
247 Ala Ala Gly Ile Gly Ile Leu Thr Val
248 1 5
252 <210> SEQ ID NO: 6
253 <211> LENGTH: 10
254 <212> TYPE: PRT
255 <213> ORGANISM: Homo sapiens
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Peptide derived from the Mart-1/MelanA antigen expressed by
259 melanoma cells.
261 <400> SEQUENCE: 6
262 Glu Ala Ala Gly Ile Gly Ile Leu Thr Val
263 1 5 10

VERIFICATION SUMMARY

DATE: 03/04/2005

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Input Set : A:\PTO.SR.txt

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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date